

AMENDMENTS UNDER 37 C.F.R. §1.111

Without prejudice, please amend the claims as follows:

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1. (Currently amended) A method for RF grounding a glass-mounted antennas to a metal frame of a vehicle, said method of automotive frames comprising the steps of:
    - ~~1-~~providing an RF grounding path on said a piece of glass from the an antenna mounting location on said piece of glass to an edge of said piece of glass located proximate to said metal frame, wherein said path is provided prior to installation of said glass into said metal automotive frame;
    - ~~2-~~installing said piece of glass on a metal frame of a vehicle using an adhesive between said edge and said metal frame, said RF grounding path and said metal frame being electrically coupled through said adhesive. providing a first RF grounding contact from said antenna to said RF path;
    - ~~3-~~providing a second RF grounding contact of said RF path to said metal frame upon installation of said glass in said metal frame.
  2. (Currently amended) A method as set forth in claim 1, wherein ~~step 3~~ comprises attaching said piece of glass to said metal frame is performed using a windshield installation adhesive.
  3. (Currently amended) A method as set forth in claim 21, wherein said adhesive is a carbon-loaded urethane.
  4. (Original) A method as set forth in claim 3, wherein said adhesive is Essex U-400HV.
  5. (Currently amended) A method as set forth in claim 1, further comprising the step of:
    - ~~4-~~mounting said antenna to said piece of glass at said antenna mounting location glass prior to installing installation of said piece of glass into said metal frame.

6. (Currently amended) A method as set forth in claim 1, wherein said piece of glass comprises a front windshield.
7. (Currently amended) A method as set forth in claim 21, wherein mounting said antenna to said antenna mounting location ~~said step 2~~ comprises disposing a conductive gasket between said antenna and said RF grounding path.
8. (Currently amended) A method as set forth in claim 21, wherein said RF grounding path comprises a conductive epoxy fret applied to said glass.
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9. (Original) A method as set forth in claim 8, wherein said conductive epoxy is silver loaded.
10. (Currently amended) A method as set forth in claim 21, further comprising the step of:  
5-mounting said antenna to said antenna mounting location ~~glass~~ such that a contact area of said antenna is coupled to said RF grounding path.
11. (Currently amended) A method as set forth in claim 10, wherein said antenna is coupled to said RF grounding path ~~is accomplished using a conductive gasket~~.
12. (Original) A method as set forth in claim 1, wherein said antenna comprises at least a GPS patch antenna.
13. (Currently amended) A system for providing RF grounding a glass-mounted ~~from an antenna unit mounted on a glass surface to the~~ a metal frame of a vehicle, said system comprising:  
a piece of glass having an antenna mounting location and an edge;  
~~an antenna unit having at least one antenna within a casing, said casing having a contact area electrically coupled to said at least one antenna residing within said antenna unit;~~

an RF grounding conductive path residing on said piece of glass surface, said RF grounding path extending between said antenna mounting location and said edge such that, when said piece of glass is installed on a metal frame of a vehicle with adhesive between said edge and said metal frame, said RF grounding path and said metal frame are electrically coupled across said adhesive conductive path coupled with said metal frame to provide an RF contact;

a conductive gasket, said gasket electrically coupling said contact area of said antenna casing to said conductive path;

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14. (Currently amended) A system as set forth in claim 13, wherein said electrical coupling between said RF grounding conductive path and said metal frame is achieved via capacitive coupling ~~through an adhesive, said adhesive securing said glass in said metal frame.~~

15. (Original) A system as set forth in claim 13, wherein said glass comprises a front windshield of a vehicle.

16. (Currently amended) A system as set forth in claim 23, wherein said conductive gasket comprises a conductively loaded silicon.

17. (Original) A system as set forth in claim 13, wherein said at least one antenna comprises a patch antenna.

18. (Currently amended) A system as set forth in claim 13, wherein said RF grounding conductive path residing on said piece of glass surface comprises silver loaded epoxy.

19. (Currently amended) A system as set forth in claim ~~1~~24, wherein said adhesive comprises a carbon loaded urethane.

20. (Currently amended) A system as set forth in claim 194, wherein said adhesive comprises Essex U-400HV .
21. (New) A method as set forth in claim 1, further comprising:  
mounting an antenna to said piece of glass at said antenna mounting location after  
said piece of glass is installed on said vehicle.
22. (New) A system as set forth in claim 13, further comprising:  
an antenna unit having at least one antenna within a casing, said casing having a  
contact area electrically coupled to said at least one antenna residing within  
said antenna unit, said contact area being electrically coupled to said RF  
grounding path at said antenna mounting location on said piece of glass.
23. (New) A system as set forth in claim 22, further comprising:  
a conductive gasket for electrically coupling said contact area of said antenna casing  
to said RF grounding path.
24. (New) A system as set forth in claim 13, further comprising said adhesive between  
said edge and said RF grounding path.
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